

The MED BIOTECH Laboratories
Makerere University, Kampala
Dr. Thomas G. Egwang

The MBL is a non-governmental organisation which collaborates with a public institution (Makerere University, Kampala) at building capacity in molecular, in vivo and clinical surveillance of anti- malarial drug resistance in Uganda (Project ID A00028). The researchers use a 14-day clinical follow-up in 2 field stations. The malaria parasites obtained from the patients are subsequently analysed using molecular markers. The MBL has limited infrastructure to do in vitro testing or pharmacokinetics for the determination of blood and plasma levels of anti-malarial drugs. Human resources to accomplish the studies need to be developed in collaboration with the partner public institution.

Study Sites

The study in Uganda will be conducted in Kasangati and Mulago. The site at Kasangati is a semi-urban all year-round transmission area. Located at 20 km from Kampala on Gayaza Road, Kasangati site is at our outreach Makerere University Clinic, in Kasangati town of Wakiso district. Patients from surrounding areas report to this clinic and 4th year medical students of Makerere University undertake clerkship training there. The malarial peak seasons here are May to July, and October to December. The site at Mulago serves as a catchment area for Kampala district and surrounding districts of Mpigi, Wakiso and Mukono. These districts have all year-round transmission, with peak seasons similar to those of Kasangati.

Team Composition

	Uganda
Principal Investigator	T. Egwang
Co-Principal Investigator(s)	F. Kironde M. Kamya
Molecular Markers	T. Egwang H. Sendagire D. Kyabayinze
Pharmacokinetics	H. Sendagire
In vitro Assay	F. Kironde G. Pimundu
Clinical Assessment Data Manager	M. Kamya H. Sendagire S. Kasasa M. Kamya